



CHRISTIE LW40

World's Brightest Native 16:9 High Performance Projector

Christie's LW40 is the world's first native 16:9 high brightness projector, perfect for cinema advertising and alternative content applications. The LW40 builds on the proven success of the RoadRunner L6 projector, with additional custom features for the cinema environment.

The LW40 provides a native 16:9 aspect ratio and an incredible 4,000 ANSI lumens brightness from a dual-lamp light engine for bright, high-resolution images. The native 16:9 WXGA panel provides 44% more pixels on the screen than an XGA resolution projector displaying 16:9 content. The latest 3D digital video processing produces sharp video images from analog and digital sources, 90% brightness uniformity and a 900:1 contrast ratio take your image presentation to the next level. The lens mount provides up to 12° horizontal image offset which provides a perfectly square image in standard cinema configurations with offset projection port locations. The LW40 provides excellent balance of performance and value for your largest cinema screens.

The dual lamp design of the LW40 offers the choice of projecting 4,000 ANSI lumens for bright large screen images, or 2,400 ANSI lumens in single-lamp mode to automatically extend the lamp life and provides built-in redundancy for fail-safe operation.

Feature-rich and supported by a full suite of optional lenses and accessories, the LW40 is compatible with Christie's new Real Color Manager (RCM) software. Users can target and match the displayed color to specific gamma curves and reference monitors for a picture-perfect presentation and real-life images. When displaying computer presentation the image can be displayed centered on the screen in pixel-perfect XGA (1024x768) wide without changing the zoom lens or cropping the image height.

The LW40 is compatible with a broad array of analog and digital video and data inputs with a range of optional interface cards, including advanced DVI-D, SDI and HD-SDI formats to interface perfectly with the latest source players and receivers. Network connectivity is available with ChristieNET™ to attach the LW40 to any network allowing you to monitor lamp life, projector temperature and other vital functions, giving you full control and monitoring for preventative maintenance in real time.

- High brightness 4,000 ANSI lumens
- 900:1 contrast ratio
- True WXGA native resolution (1366 x 768)
- Scaling from VGA up to HDTV
- Available analog and digital input modules
- Extensive lens suite
- Vertical and horizontal lens offset
- Lamp life of 1,000 hours
- ChristieNET™ for monitoring and control

APPLICATIONS

- Cinema advertising
- Lobby displays
- Alternative content and special events

CHRISTIE
Project. Present. Perform.

LW40 • 38-VIV210-01

For Cinema Advertising, Lobby Displays, Alternative Content

Brightness

- 4,000 ANSI lumens (typical, dual lamp mode)
- 2,400 ANSI lumens (typical, single lamp mode)
- 90% brightness uniformity

Contrast Ratio

- Up to 900:1 on/off

Resolution

- 3 x 1.2" LCD TFT p-Si Active Matrix light engine with Micro Lens Array
- True WXGA (1366 x 768) resolution
- 8-bit digital color processing offering 16.7 million displayable colors
- 10-bit linear gamma processing

Dynamic Scaling

- Digital scaling of VGA – SXGA resolutions
- Digital de-interlacing technology of STV, DTV, and HDTV formats with automatic 3:2 pull-down

- HDTV compatible with automatic 3:2 pull-down
- 800 TV lines horizontal resolution
- Digital Visual Interface (DVI-D), SDI, and HD-SDI compatible with optional modules

Enhanced Feature Set

- 3D digital noise reduction
- User-selectable 2 or 1 lamp mode
- Motorized zoom and focus
- Motorized lens shift (up and down)
- Digital zoom function (max. x49)
- Digital keystone function (vertical +/- 40°, horizontal +/- 10°)
- Power management function
- Audio mute

Control/Networking

- Automatic Multi-Scanning Set-up system (AMSS) (phase/tracking/position)
- Progressive scan video decoding

Power Requirements

- Universal power AC 100 – 240V, 50/60Hz
- Operating voltage: 90-264 V (100-120 V/200-240V +/- 10%)
- Power consumption: 720W maximum
- Thermal dissipation: 2,700 BTU/hr
- Operating temperature: 5° to 35° C (storage: -10° to 60° C)
- Operating humidity: 20 – 80% (storage: 0 – 90%)
- Acoustic noise level: <65dB (fans set for maximum lamp life)

Weight and Size

- 45.2 lbs (20.5 kg)
- 17.3" W x 8.9" H x 23.8" L
- 439mm W x 230mm H x 605mm L

Standard Accessories

- User manual
- 1 meter VGA – HD15 MF cable
- AC line cord x 2 (UL and European)

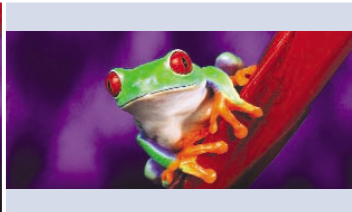
FEATURES



- ChristieNET™ attaches the LW40 to any network for monitoring and control of vital projector functions.



- With 44% more pixels than an XGA projector displaying 16:9 content, the LW40 provides higher pixel density and a smoother image.



- Native WXGA resolution provides 459,264 more pixels than standard 4:3 aspect ratio displaying 16:9 content.

Horizontal Frequency

- 15 to 120kHz
- Automatic frequency control

Vertical Frequency

- 50 to 120Hz
- Automatic frequency control

Dot Clock

- 200MHz

Optional Projection Lenses

- A full suite of short/medium/long-fixed and zoom optional lenses
- Power lens shift U/D ratio of 10.0 to 0.10
- Horizontal image offset: on-axis or 12°

Modular Inputs

- HD15 (Analog RGB, audio input (2 x RCA, R/L/mono))
- Control port (9-pin DB9)
- Two optional interface slots

Outputs

- Two built-in speakers 3W per channel
- Stereo audio loop through RCA x2

Source Compatibility

- Compatible with VGA, SVGA, WXGA, SWXGA, UWXGA, Mac, SUN and SGI sources
- Auto-detects PAL, PAL M, PAL N, NTSC, NTSC4.43m and SECAM video standards
- Accepts and displays all currently known DTV/HDTV formats; 480i, 480p, 720p, 1080i, 1035i via RGB or Y, Pb, Pr connection

- USB Type B mouse control
- Remote control jack
- RS232-C control port and loop through via 9-pin D-sub terminal (in/out)
- Wired remote control
- IR remote keypad with mouse and laser pointer
- Front and rear IR receivers
- Remote mouse control
- ChristieNET™ control and monitoring via HTML and SNMP (optional)

Graphical User Interface

- Easy set-up and intuitive multi-language onscreen displays (OSD) (English/ German/French/Spanish/Italian/ Portuguese/Dutch/Swedish/Chinese/ Korean/Japanese)
- Direct-key status function
- Image aspect ratios: 16:9 (native) and 4:3
- Picture reverse scans function (left/right, top/bottom) for front, rear and inverted projection

Lamp Specification

- Dual-lamp 265W UHP lamps with optional 1-lamp operation
- 1,000 hours (typical) lamp life at maximum brightness
- Lamp life warning indicators
- User replaceable lamps

Optional Accessories

- ChristieNET™
- 1.2:1, 1.8:1 and 10.3:1 fixed lenses
- 2.0-2.65:1, 2.95-3.85:1, 3.85-5.2:1, 5.2-6.8:1, 6.8-8.8:1 zoom lenses
- DVI-D module
- 5 BNC module
- Y/C interface module, S-video
- HD-SDI module
- SDI module
- 10-Bit Faroudja® video processing module
- Ceiling/floor/wall mounts
- Shipping case
- 265W UHP lamp module

Regulatory Approval

- Complies with all relevant worldwide EMC & Safety standards
- The product complies with FCC class B, CE mark and safety requirements IEC950 (EN60950), UL1950/cUL

Warranty

- Product warranty, 2 years parts and labor (excluding lamp)
- Lamp warranty 120 days or 500 hrs, (whichever comes first)

Reliability

- Mean time between failure (MTBF) over 28,000 hrs

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Designed under ISO 9001

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